Notebook, PN-00-01-01

This undated pocket notebook was used by Edison, probably in 1901. It may have been carried on his surveying trip to the Sudbury region of Ontario during that year. It contains a record of ore samples obtained and properties seen or discussed. The entries indicate the location and accessibility of mines, their owners, and property values. Other notes list possible sources of nickel elsewhere in Canada and the United States, often giving names and addresses of mining companies and other suppliers. Scattered pages contain notes regarding experiments on briquetting, battery plates and electrolytes, and other matters. Included are two pages with the heading "new force," which describe experiments to be performed with a Marconi device, electromotograph, and chalk telephone. The inside back cover contains notations by an unidentified person. The pages are unnumbered. Approximately 45 pages have been used.

Briquetting -

Try clay minimum quantity make good brick - also right consistency for briquetting - Bake at different temp -

Try clay mixed with slaked lime - different proportions, baking & consistency idea being decomp of SiO_2 forming Silicate lime at proper heat -

Try little K_2SO_3 for gelatinizing clay make brick.

Try Stonewville chalk & bake full red to clinker -

Clergues Enterprises
financed Phelps
E B V Douglas
Brother Phelps
financing —

A Sudbury Mining man
has lot property that has
been but for sale through
him —
J R Gordon C.E.
Sudbury

Mr Lockerby is Vice President of Dominion Insurance Co Montreal —

Lockerby property - Worthington station
Station Lot will be sold where Mr John Dwyer is working 1 ½ m East of station
Lot 9 3rd sec Denison whole of
Lot 10 B
Lot 11 in 3rd sec owns ½ of 11 —
owns ½ of lot 1 of 5 sec

1/2 of 1 of 2 in
5 Concession

Rig up for small crucible melt of high up alloys to obtain one for high temp for letting down heat — new Thermo Equipt,

See if alloys have come from Britain —

Try thin layer of powdered Impetate Carbon — dilute flux opal dilute apatite fluorine potatoes & lime on Thermo using some tins of Wardlow also test with higher heat up to 350 @ 500.
dilute Tourmaline, or ours use sensitive gal of get any deflection to a counter

Better instrument would
than dip needle - especially
for determining depth & quantity
ore -
Suggest 1st Coarse coil &
over this fine coil - a single
Cell & make & break - normal
Earth Magnetism not enough
to make sound in telephone
when coil rests on ground.
Cost perhaps it acts as a
magnet Core for induction
Coil -
Needle apparently
only measures direction
of lines - want just to
measure intensity
Magnetometer too slow
Cutting lines spreading
on a Weston Voltmeter
might answer - over

The speed could be governed
+ which was complicated –

Reduce ~~Tungstic~~
Tolamic – Tungstic &
Molybdic acid by H at
dull red – another lamp
Req up a Easily manipulated
small reducing apparatus
so this class of experiments can
be made easily –

Great Lakes Mfg Co
Room No 9 Huron
Block
cash
A. L. Ellsworth
Agent

Try plating Zinc from alkali onto strongly oxidized nickel plate also from scale or melted magnetite see if any local action —

Try Magnesium plate + Zinc plated on with Nickel Electrode CP ZnO + CP KOH closed cell — use strong current to plate with —

Try Zinc rod in Homopathic vial like cell to see if new organic alkalies dissolve also Nickel NiO_2 — test Ni_2O_3 in Solution + $ZnOH$ as well before testing Electrically

[illegible] Township [illegible]
South of Fary
Lake on GTR
West North Bay &
Toronto
find Geo Paget
Huntsville Station
Hedstrom Mine
owned by
John Hedstrom

John Custer &
Paget - Paget
Mbrin[illegible]

Crush Canadian C. C. pyrolusite to
200 mesh – wash + dry in air
many kinds possible, Kim assay

When down to Steinmetzville
investigate Cobalt Nodules –

Canadian Electric
Chemical Co –
Sault Saint Mary
Ontario
Rhodin – CP
Chlorine free KOH

$15000. Blanks offers
this —
Lot 8 Con V Lorne
N W $\frac{1}{4}$ =

Teaming - 2.25 per day for pair horses & driver & we good driving team on sled will haul 2 ton - Can get into North Range 15 miles from CPR

Farmers in Cambrian Land have nothing to do in winter -

Govt will spend a great amount on a public Road -

Holland & Recco Buffalo have lumber road in which they are repairing now - runs close to mines -

McCourt and [illegible]

Left [illegible]

[illegible] 25c

100 for 14 miles

via Road to

N Range

[illegible]

Canadian Mining
Review - Ottawa
Monthly Bell Editor
Robertson

Levick Township

3 Mines owned by Tough & Stokie — near Blacks Mine —

They have asked for 3 mines —

300 000 Cash or 100 000 " & 25c Ton Roy

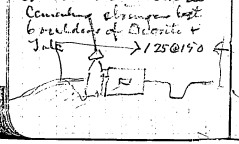
They might take a minimum guarantee of 100 ton daily at 50c ton & 20 000 Cash with guarantee of a 50 000 Mill —

Above prices they say can be changed with more water power. study

Block wants next to them wants 40 000 Cash for 2 mines will take some Cash & some on Mortgage —

Block has other mines near these. He groups he wants $100 000 for. but will split up as above, & will 2 for 40 000.

Northampton mine Y Creek is a Shoots, about 125 ft at outcrop — 9 Look samples every 6" across a cross cut, acid to orange — the big samples are from bottom of shaft & picked samples in cut closed away were several irregular stringers of solid ore to cut w/ cross cut of 5 sq 30 @ 40 in the Ft. the chorite Conglomerate contained + ore w/ chorite as cementing strongers but 6 pockets of Dolomite + Talc



Schaefer Alkaloid works
Maywood N.J.

Rossleur & Hasslacher are
evidently headqrs for Barium
Compounds

Castner Electrolytic Alkali
Niagara Falls Ont
Arnold Hoffman Co
32 Broadway, make fine
pearly Caustic Magnesia, also
31 Bauxite liquid power, on
get prices for 1 ton & cylinders

A W Miller Supt Oregon Mines
Exhibit Box 18 Fremont P.O.
Portland Oregon — gives me
the samples of Riddles Ni

Newly discovered nickel mine
in Serpentine Washington
Northwest Consolidated Mining
Co 2905 Hewitt ave
Everett, Washington,

Nicholas Rudebeck
Box 3210 ½ Everett ave
Everett Washington — this
man had charge Washington
Exhibit at Buffalo, gave me
samples — says lots of Ni in
Serpentine in Washington — will
locate some or correspond

Riddles main deposit owned by
International Nickel Co, formerly
had offices in ~~Kansas~~ Chicago
they have a man in charge at
Riddley, one in Livingston —

have considerable buildings &
machinery - reported Rothschild
got up Control & closed mine

South of Riddles another mine
Thos Prater President Oakland Cal.

5 m SW Riddles Douglas Co.
American Nickel mine office
Chicago J H Winslow President
Glencoe Illinois - This may be
been mine who brot a rich Sample

N Hummel Editor Wadsworth
Dispatch Wadsworth Nevada
Can give me information about
Cottonwood Canyon Nickel mines

Rossland - Snowshoe mines
A J McMillan Rossland
He is manager The Co is
The British Columbia (Rossland)
& Hogan Syndicate (Ltd) -
Rossland B.C. Go young
send another Bot - ore) fat

Thos W Gibson
Director Ontario
Bureau Mines
Toronto

Mining laws
Leased lands $1 per
acre 1st year
15@30 2nd year &
bot at 3 50

Sudbury Mines
Howland Mine — Lumsden
Nickel Co — Worthington.
Frobisher Mine "
Canadian Copper Co Mine
Copper Cliff
Stobie Mine Copper Cliff

Strathcona Property
Worth Tp —
of F Black Sudbury

Burke Falls, H McMurtry
Parry Sound district

Chapman Tp
Parry Sound Dist
John Schmler

Neil Martin
Winnipeg Manitoba

Hawk Lodge — Nat
Ingolf Station
C P R Rainy River
Dist —

Cobalt Mine	Little Turtle
Victoria Mine —	Creek Lower
	Saine Region —
Nickel Copper Co	Cobalt Silver Bay
Worthington Mine	Bureau Mines
[illegible] Hamilton	
Claims —	
	M. Ryan Kearney
North Worthington Mine	Locality Lot 32
Algoma — Robinson	Con 13 Tp Perry
Claims —	

Contr. J. Bowman
Mocassin prospect
near Rossport N
Shore Lake Sup

Nickel Lake Loc.
Rainy Lake

Contr.
O'Connor
Sudbury
Net Lake near
Lake Temagami

Ontario Graphite Co
Big exhibit graphite
Write them
Ottawa Cont.

Caulbr
Bureau Mines
Split rock rapids
Musambiz, Pass,

Another ~~Lately~~
Crown Land at
Mussey —

J M Allen
Colorado Spgs
Colo
Box 816 —
Interested in Riddles
Original Nickel
discovy =
Got following
infmtn =
Internatl Ni Co incorp
out = Now Amer
Ni Mng Co

J R Ashley Yale &
McControle it
as far as follows
Rich Coop —
Robert Barbard owns
man said out To
Trust - Roch -
he & few others
own it —
Owns $13,000 -
for an interest

they acquired -
have 285 acres
all patented -
Have a Mortgage
Allen will find out
& write me Orange

Largest body of Serpentine
containing Chrysoma is in
Eastern Township Quebec
South End of Hare Lake
is 15 miles to Waterville
Seams is 1 To 3 miles wide

Michael

Copper — 3 locations
Middle 4 in front
"Pinery" or McKee Mountain
on upper Dodo Creek
in Douglas Co & near
Rock Point in Gordon
Co last 2 places.
Peppolite & Calcop —
12% Ni 2.5% Cu
No work done Either location.

Sudbury dist
Township Creighton
Water power 2500
HP — Owned by
McPherson & Gordon
14 miles from S
Water power Dell
Township 4000 HP
7 Cochran Harbour
Mich. Sudbury
9 miles from
Sudbury
Owner

D'Connor
Has wife kept Edison Hotel
Schenectady

Algoma Ni Co
owned by Jack
Cudhy Pres of
Mike C—
Connor owns
15000 stock

O'Connor mines
10 + 11 in 1st + 2nd
of Marin - Nickel
2 bodies - Holds it
at $5000
20 ft fall 2 miles
away on Spanish
thinks may be 100 HP

Algoma Ni Co near
Marin in some
Not 11 and
Conesu RR track
Runs right thru it

fall within a mile
20 ft owned by
McFulgis Bro &
O'Connor 2 yrs
ago offd 15000
Wouldn't take it —
O'Connor said it's
Ham for 15000 —

O'Connor says 2000
John Dwyer he knows
bell about McCountry
Dwyer lives at Worthington

Newforce
Marconi coherer, 20 metals,
Indication by fluorescence single crystals

use about 20 different metals
for rods

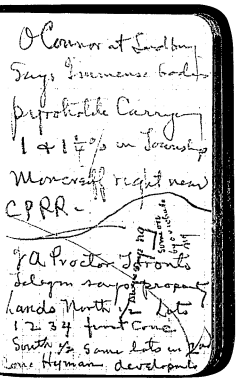
Electrometry graph with Mirror Reg chalk
also telephonic —
Make Cylinders of Carbonates + phosphates
Arsenates Oxalates Tungstates
Metalyl chlo. Chromates, Fluorides
+ borides of Be Sr Ca Mg Al Zn
Sn Sb Ag Ni Co Fe Mn. Bi Sb Cu
Ur Th Hg Cd Be also amorp Si Fin
Use for making metals principally Pt
but try Mg al Zn Cu. Pb Sn Bi Sb Ag
Au Pr Pd Fe Co Ni · Si Brass
Manganese nickel alloys Ferro-Silic

Dark box with graphite electrodes
also pencils of metal in powder (Reg)
by hydrogen —

Telephone Directs spoke of wire made of Cu. Zn. Cu. Fe. Ni. Cr. Lead. Al. Silver. Brass. Cg. pt. German Silver. Manganin etc. Also remarkable Corrs of all metals also drapings of all metals —

on North ½ of 3 first Con —

O Connor at Sandbury says Immense loads of prophetic Carrying 1 & 1½% in Township Moreover right near C.P.R. —



J. A. Proctor Toronto telegram say of property lands North ½ Lots 1 2 3 4 first Conc. South ½ same lots in 2nd Conc. Hyman development

D Jacobs & Co
Where we got
Wigwam shoes
Sudbury

at Worthington Township

Cog N & S Hiram 1/2 mile
station Worthington
mine at Elevation owned
by Commerce Wheeler &
Col Moore of —
Next one N E in Hiram
~~[illegible]~~ Robinson & Clarion
wanted 30000 yrs ago wants
more now — Dwyer says good
showing — High grade —
offer this O Connor at Sudbury
offered 4 meets Dwyer at
$6000 =

in Drury N E part lot 6
3rd Conc & N W part lot
5 3rd Conc
owned by B. Miller Soo St Marie
ontario 2/3 ditto

Dewey had option on it for 5000, + should buy if says can get it again by Feb 4th - I stand with great 6000 if satisfied

Send Miller some glasses for Medfield

also Spring brass Clips to set on stops on Medfield

Sultana Mine, 7 miles from Northampton, good road - claimed by Chicago people 2 million

Carpenter - 4 shifts, stopped work - problem

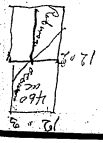
Came on from Chicago last week had it pumped -

Chicago people 4 milling Co - found as much ore only leases from owners Co. do not own it

Ross Mine 5% Cu
3.1% Ni North
Range - 15 m from
CPR - Foy Township
Wants $25000.
Ryan has it for sale
will find out amount
of land Ross Mine
is patented =
Foy WR5 - 45 acres
WR6 - 31 acres

Prospector named
Drew saw me post
as was leaving for
home said he had
found Ni gossan in
Trill - 100 ft wide.
(Vancouver geol. notes
Hz was hard up
said for $200 he would
let me take it &
write letter to Shelley
to see if it is OK
apply for all of Foy
Dec 25 - 40 ft

to pay balance
1st & allow —
[illegible] royalty
to be debited [illegible]
me — P2 to to find
Miller & [illegible]
the letter told
John Take Charge
& go see it =
J

No 8 Pa Lot 6 " 5
No W 2 5 " 3

Chas L B Miller
500 st marks
Ont